

ABSTRACT

A PDP operates with high luminous efficiency and reproduces colors faithfully. When sealing the PDP, a sealant layer (15) is formed around the facing main surfaces of the front panel (10) and the back panel (20). Protrusions (16) and depressions (17) are formed in parts of the sealant layer (15) to produce gaps (18) at the periphery of the PDP. The heating performed to soften the sealant layer (15) is conducted in a dry gas atmosphere. As a result, moisture passes from the inner space of the PDP through the gaps (18) and out of the PDP, thereby reducing the heat deterioration in the blue phosphor layer (25).